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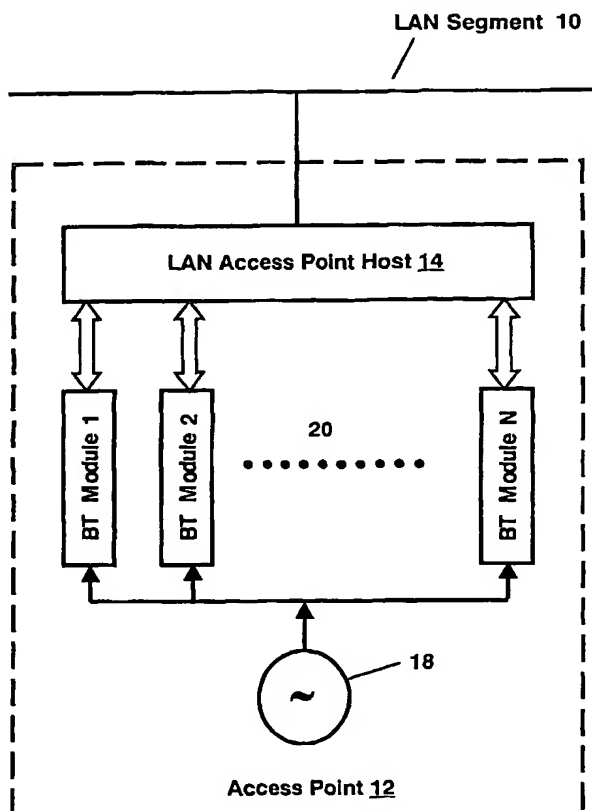
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[Continued on next page]

(54) Title: WIRELESS COMMUNICATIONS ARRANGEMENTS WITH SYNCHRONIZED PACKET TRANSMISSIONS



(57) Abstract: A wireless, e.g. radio communications arrangement is disclosed, which includes an access point (12) in which are integrated a plurality of radio modules (20). Each module (20) is configurable as a master unit of an area network (10) and comprises its own native clock (28) for clocking said module (20) independently of the native clock (28) of any other said module (20). Each said module (20) further comprises its own baseband controller (24) and radio transceiver (26) and is adapted for wireless communication with one or more mobile terminals (16) by transmission of packets a,c in timeslots defined by said native clock (28) of said module (20). Each said module (20) further comprises at least one external input (18, 180; 30), through which in use is supplied a signal which substantially synchronizes said modules (20) in such a manner that there is no partial collision between packets transmissions of two said modules (20) integrated into the same said access point (12).

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# INTERNATIONAL SEARCH REPORT

PCT/IB 03/00279

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H04L12/28

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02 09371 A (ZUCOTTO WIRELESS INC) 31 January 2002 (2002-01-31) page 3, line 16 - line 21 page 4, line 30 -page 6, line 29 page 7, line 5 - line 27 page 9, line 9 - line 19 page 14, line 6 - line 17 ---	1-17
A	US 5 960 344 A (MAHANY RONALD L) 28 September 1999 (1999-09-28) column 1, line 25 -column 2, line 47 column 4, line 36 -column 6, line 21 column 8, line 34 -column 9, line 10 --- -/--	1-17

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- \* & \* document member of the same patent family

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	HAARTSEN J: "BLUETOOTH - THE UNIVERSAL RADIO INTERFACE FOR AD HOC, WIRELESS CONNECTIVITY" ON - ERICSSON REVIEW, ERICSSON. STOCKHOLM, SE, no. 3, 1998, pages 110-117, XP000783249 ISSN: 0014-0171 the whole document -----	1-17

# INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 0209371	A	31-01-2002	AU WO	7897001 A 0209371 A2	05-02-2002 31-01-2002
US 5960344	A	28-09-1999	US AU WO	5546397 A 1374795 A 9517724 A1	13-08-1996 10-07-1995 29-06-1995